

## PATENT ABSTRACTS OF JAPAN

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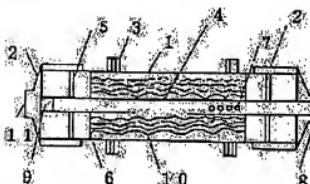
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## (54) HOLLOW YARN MEMBRANE MODULE

## (57)Abstract:

**PURPOSE:** To improve the removing efficiency of a bonded substance by air scrubbing by providing a surface having hollow yarn membranes densely distributed thereon and a surface having no hollow yarn membranes distributed thereon to the surface of the end part to which hollow yarn bundles are fixed in a module to separate the end part into a plurality of sections by the surfaces A, B.

**CONSTITUTION:** The bundles of hollow yarn membranes 10 are received in an outer cylinder 1 and at least one ends thereof are bonded airtightly by an adhesive 6. In this hollow yarn membrane module, a surface A having the fixed hollow yarn membranes 10 densely distributed thereon and a surface B having the fixed hollow yarn membranes 10 not substantially distributed thereon are provided to the surface of the end part to which the hollow yarn membranes 10 are fixed in the module and the surface of the end part is separated into a plurality of sections by the surfaces A, B. As a result, the hollow yarn membrane module improved in clogging removing effect due to air scrubbing to a large extent can be obtained.



## LEGAL STATUS